

NOV-80



INTRODUCING ARISTOTLE'S APPLE by Scot Kamins

Aristotle's Apple is a general purpose instructional tool for the Apple II computer. Designed for personal use, it is also useful in the classroom.

Typical applications of Aristotle's Apple include:

*** Helping children with their schoolwork (students can get additional learning reinforcement by designing their own quizzes)

*** Home study and correspondence courses in any subject

*** Preparation for civil service and amateur radio exams, etc. (study guides with sample questions are available for many of these tests - enter the study guide questions into Aristotle's Apple for easy studying)

The program is used to create quizzes for use as teaching or study aids (in the Tutor mode) or for testing purposes (in the Exam mode). The quiz types include:

1. Multiple Choice - up to 50 questions per quiz, with 5 possible answers for each question.
2. Column Matching - match the ten questions in column A with the 10 answers in column B. And....
3. Fill In - 1 to 50 questions with preferred and alternate answers.

A sample of each quiz type is included on the program disk. Taking the sample quizzes will help you learn to use Aristotle's Apple for your own subjects!

The tutor mode provides the user with constant feedback, reinforcement and support. In the Tutor mode each quiz type gives the user several chances to get the correct answer. If the student fails to answer correctly in three tries, they are informed of the proper response. In Fill In quizzes, additional reinforcement is then provided by forcing the student to type in the correct answer before the program will go on to the next question.

The Exam mode is used to test how well the material has been learned. It gives only one chance for each question. Then at the end of the test you may request a review of the questions that you answered incorrectly. Both modes give the student their score at the end of each quiz.

The program includes a module for creating and editing quizzes. No knowledge of computer programming is required, and the user's convenience has been considered throughout. We have also included extensive error checking and such conveniences as single-key entry for "All of the Above" or "None of the Above" as possible answers in multiple choice quizzes.

Quizzes are stored on a diskette for later use. In addition, each quiz may be given a name that includes the subject, quiz type and user's initials.

ARISTOTLE'S APPLE - A GENERAL PURPOSE INSTRUCTIONAL TOOL FOR THE APPLE II

In the Business World of the 1880s the name to Reckon with



was J.P. MORGAN

In 1882, Thomas Alva Edison threw the switch which provided the first commercial transmission of Electric Power to the plush office of J. Pierpoint Morgan. TODAY there's an electrifying breakthrough in the business world which signals a new era in data base software.

In the 1980's The business of reckoning will be handled by DB MASTER

The Apple Data Base Manager you've been waiting for

Practically every business uses lists in one form or another . . . client lists with accounts receivable, lists of suppliers, including their locations & terms . . . lists of materials, specifications, inventories, government forms and filing dates, research & reference data, mailing lists, and all those special lists unique to your business.

Now you can apply the power of an inexpensive desktop computer to data management problems by combining **DB MASTER** and the Apple II computer.

DB MASTER: For the Power You Need . . .

DB MASTER is versatile. It handles multi-diskette files with thousands of records - up to **1020** characters per record, (4x the record size of other data base managers) with all the search methods you need.

In fact, **DB MASTER** can retrieve any record from a disk . . . in **less than three seconds!** And it includes the most powerful report generator you can buy for the Apple II.

DB MASTER: For Ease of Use by Non-Programmers . . .

You can build your screen "forms", just like the ones you use on paper, including automatic formatting for easy entry of dollar amounts, phone numbers, dates and social security numbers.

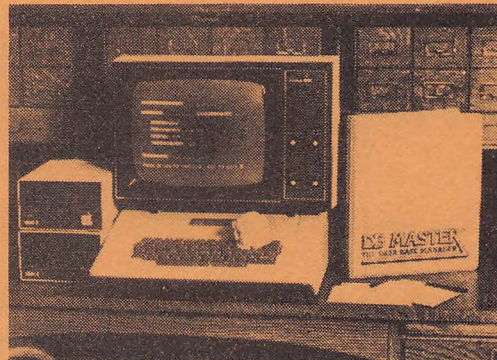
Once entered, your records can be retrieved and displayed on your screen or combined to print the reports you need.

An Exclusive Feature of **DB MASTER** is Dynamic Prompting™ which puts operating instructions on your screen . . . whenever you need them.

You'll like our complete, professionally-prepared instruction manual . . . and you'll love the fact that you'll rarely need to use it.

DB MASTER: For Big Computer Features At A Small Computer Price . . .

- Machine language ISAM filing system with primary and secondary keys
- Password File Protection
- Up to 9 screen pages per record
- Automatic data "packing" for increased disk capacity
- Edit Mode includes Calculator Functions
- Wild Card and Partial String Searches
- Report Generator includes computed fields, subtotal & page breaks, number formatting, multiple lines per record, code (table look up) fields, printer and screen reports and summary only reports
- Custom Disk Operating System . . .
You won't believe how fast it is!
(DOS 3.3 disk controller required)



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DB MASTER is now available at a Computer Store near you, or Send \$189. each, plus \$4.50 for shipping and handling. Use check or money order (no COD's please), Visa or Mastercard (include expiration date). California Residents add 6% sales tax.

Available Soon: **DB MASTER** for Hard Disk Systems and The Apple III.
Apple II & Apple III are registered trademarks of Apple Computer Inc.

DB MASTER SPECIFICATIONS

I. Data Types:

Numeric—there are four numeric data types. Each accepts only numerals, and, if appropriate, a single negative sign or decimal point. Numbers are stored in their compacted (binary) form for increased storage capacity:

- 0 to 255 (one byte)
- +/-32767 (two bytes)
- Floating point (9 digits, 5 bytes)
- Dollar/Cents fields are pre-formatted, use right to left (calculator style) data entry (9 digits, 5 bytes)

Alphanumeric—1 to 30 characters (for longer comments, combine 2 or more fields)

Yes/No—1 character, only accepts "Y" or "N"

Social Security, Date and Phone Number fields are pre-formatted. The cursor skips over the dashes automatically during data entry & backspacing. These fields cannot be left partially finished—they must be left empty or completely filled in.

Auto Date fields automatically contain the date of the last time each record was edited (changed). Auto Date fields make it very easy to print daily update lists.

II. Storage Method & Access Times:

DB MASTER uses an ISAM (Indexed Sequential Access Method) filing system. Records are stored and maintained automatically in their primary key order. The primary key is user defined, and includes the first field or fields in the file, to a maximum of four fields or 35 bytes. Any record on a diskette can be retrieved in about 3 seconds if requested by its primary key.

Secondary keys may also be set up and maintained automatically on the user's choice of fields. Records will be retrieved by secondary keys in about 7 seconds.

III. Sorts are only necessary when printing reports in other than primary key order.

Otherwise, DB MASTER never has to do any sorting.

IV. Capacity:

- Up to 1020 bytes per record
- Up to 100 fields per record
- Up to 9 screen pages per record
- Up to 4 fields in primary ISAM key
- Any number of secondary keys
- Supports multi-diskette files. Maximum file size depends on a number of factors. Typical range is 1 to 5 megabytes.

V. Report Generator:

- 0 to 9 lines of comments or footnotes
- 0 to 9 lines of column titles
- Up to 100 columns on as many as nine lines
- Up to 24 computed fields per report. Add, subtract, multiply, divide or exponentiate. Compute with record values, constants or other computed fields.
- Five Horizontal Subtotals (for totaling fields within a record) and a Grand Total
- Column totals
- Sort on 1 to 6 fields
- Optional subtotal (control) breaks and page breaks when sort field values change
- Automatic number formatting
- Comment fields
- Auto page numbering & report dating
- Summary Only reports print subtotals and totals only
- Special formats for screen reports and printing labels

VI. Special Features:

- "Short Forms" display only a portion of your form for rapid repetitive editing. (Also useful for emulating relational data base systems.)
- Three levels of password file protection
- Automatic "data packing" for increased disk capacity
- "Code Fields" (table look-up fields) store short codes, print long descriptions on reports
- Calculator mode for performing math functions with field values
- Daily Update lists print all records added or edited on the current date, since a specific date or within a range of dates (file must include an Auto Date field)
- DB MASTER includes its own Disk Operating System which is faster and more efficient than Apple's DOS. All disk access (including program chaining!) done with fast "RWTS" routines.

VII. System Requirements:

1. Apple II or Apple II Plus with ROM Applesoft Basic or Language System.
2. 1 to 4 Disk Drives (2 recommended)
3. DOS 3.3 or the Language System
4. A printer is recommended. DB MASTER supports Apple's High Speed Serial, Parallel, and Communications interfaces. Printer control characters may be sent at the beginning and end of each printout.
5. Special versions of DB MASTER are planned for use with hard disks and 8" floppy systems.

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